

IN THE CLAIMS:

Please amend claims 2-6, 8-12, and 14-18, as follows:

- Sub C1*
- 8*
- 2. (Amended) The method of claim 1, wherein the target object is represented as a node in a tree structure.
- 3. (Amended) The method of claim 1, wherein the step of providing information further comprises providing transformation information, said transformation information comprising information about a transformation performed on said source to derive said target object.
- 4. (Amended) The method of claim 3, wherein the step of providing transformation information further comprises identifying a function used to transform said source.
- 5. (Amended) The method of claim 1, wherein the step of providing information further comprises providing lineage information which identifies said source.
- 6. (Amended) The method of claim 5, further comprising the step of maintaining transformation models for use in providing the lineage information, said transformation models maintaining information about the source of the target object.
- Sub C1*
- 9*
- 8. (Amended) The apparatus of claim 7, wherein the target object is represented as a node in a tree structure.
- 9. (Amended) The apparatus of claim 7, wherein said one or more computer programs comprise means for providing transformation information, said transformation information comprising information about a transformation performed on said source to derive said target object.
- 10. (Amended) The apparatus of claim 9, wherein the transformation information identifies a function used to transform said source.

11. (Amended) The apparatus of claim 7, wherein said one or more computer programs comprise means for providing lineage information which identifies said source.

12. (Amended) The apparatus of claim 11, further comprising means for maintaining transformation models for use in providing the lineage information, said transformation models maintaining information about the source of the target object.

14. (Amended) The article of manufacture of claim 13, wherein the target object is represented as a node in a tree structure.

15. (Amended) The article of manufacture of claim 13, wherein the step of providing information further comprises providing transformation information, said transformation information comprising information about a transformation performed on said source to derive said target object.

16. (Amended) The article of manufacture of claim 15, wherein the step of providing transformation information further comprises identifying a function used to transform said source.

17. (Amended) The article of manufacture of claim 13, wherein the step of providing information further comprises providing lineage information which identifies said source.

18. (Amended) The article of manufacture of claim 17, wherein said method further comprises the step of maintaining transformation models for use in providing the lineage information, said transformation models maintaining information about the source of the target object. - -

Please add new claims 19-28, as follows:

- Sub B*
- ☒ 19. (New) A method of navigating data in a data warehouse stored in a data storage device connected to a computer, comprising:
- receiving user input selecting a target object, said target object derived from one or more sources of data via one or more transformations performed on said one or more sources of data;
 - selecting the target object in response to receiving said user input; and
 - providing information about said at least one of said sources of data.
- 20. (New) The method of claim 19, wherein the target object is represented as a node in a tree structure.
- 21. (New) The method of claim 19, wherein said information is represented as a node in a tree structure.
- Q*
- 22. (New) The method of claim 19, wherein said information comprises information about at least one of said one or more transformations performed on said one or more sources of data to derive said target object.
- 23. (New) The method of claim 22, wherein said information identifies a function used by at least one of said one or more transformations.
- Sub C 1*
- 24. (New) The method of claim 22, wherein said information identifies program logic for at least one of said one or more transformations.
- 25. (New) The method of claim 19, wherein said information comprises lineage information which identifies at least one of said one or more sources.
- 26. (New) The method of claim 25, further comprising maintaining one or more transformation models for providing said lineage information, said one or more transformation models maintaining information about said one or more sources of data.

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-- 27. (New) A computer-readable medium having contents for causing a computer-based information handling system to perform steps for navigating data in a data warehouse stored in a data storage device connected to a computer-based information handling system, the steps comprising:

receiving user input selecting a target object, said target object derived from one or more sources of data via one or more transformations performed on said one or more sources of data;

selecting the target object in response to receiving said user input; and
providing information about said at least one of said sources of data.

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-- 28. (New) A system for navigating data in a data warehouse stored in a data storage device connected to a computer-based information handling system, comprising:

a plurality of objects, including a target object, said target object derived via one or more transformations from one or more sources of data;

a transformation lineage system which stores transformation lineage information for the target object, said transformation lineage information associating the target object with said one or more transformations and identifying said one or more data sources;

a user interface for receiving user input for selecting a selected one of said plurality of objects; and

said user interface configured to display said transformation lineage information in response to receiving user input selecting said target object. --